



# Shut-down progress report

Weeks 10 & 11

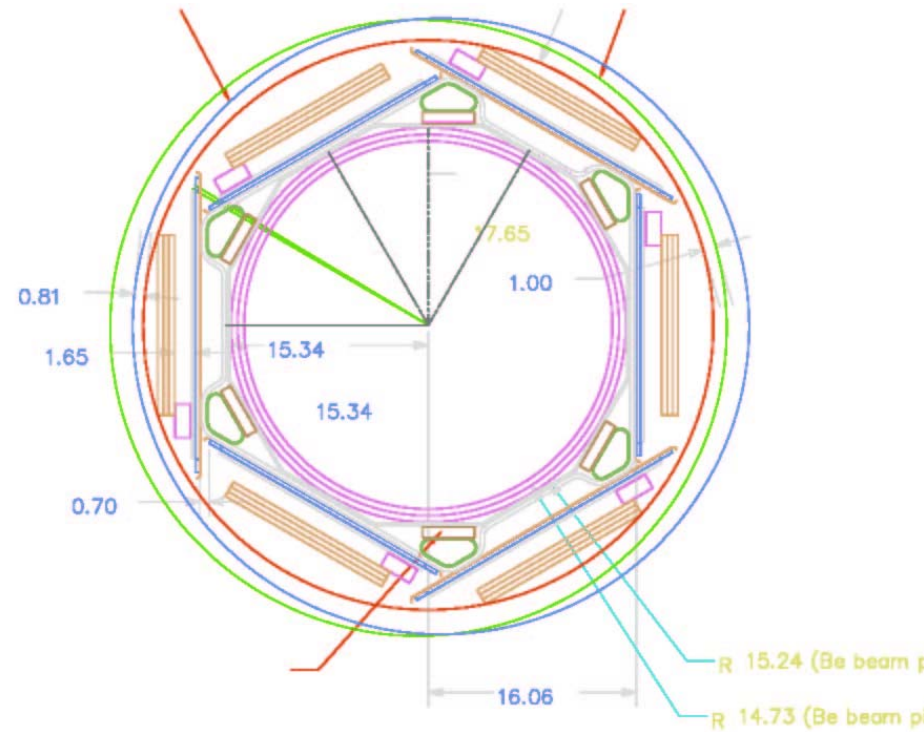
M.Weber

# General

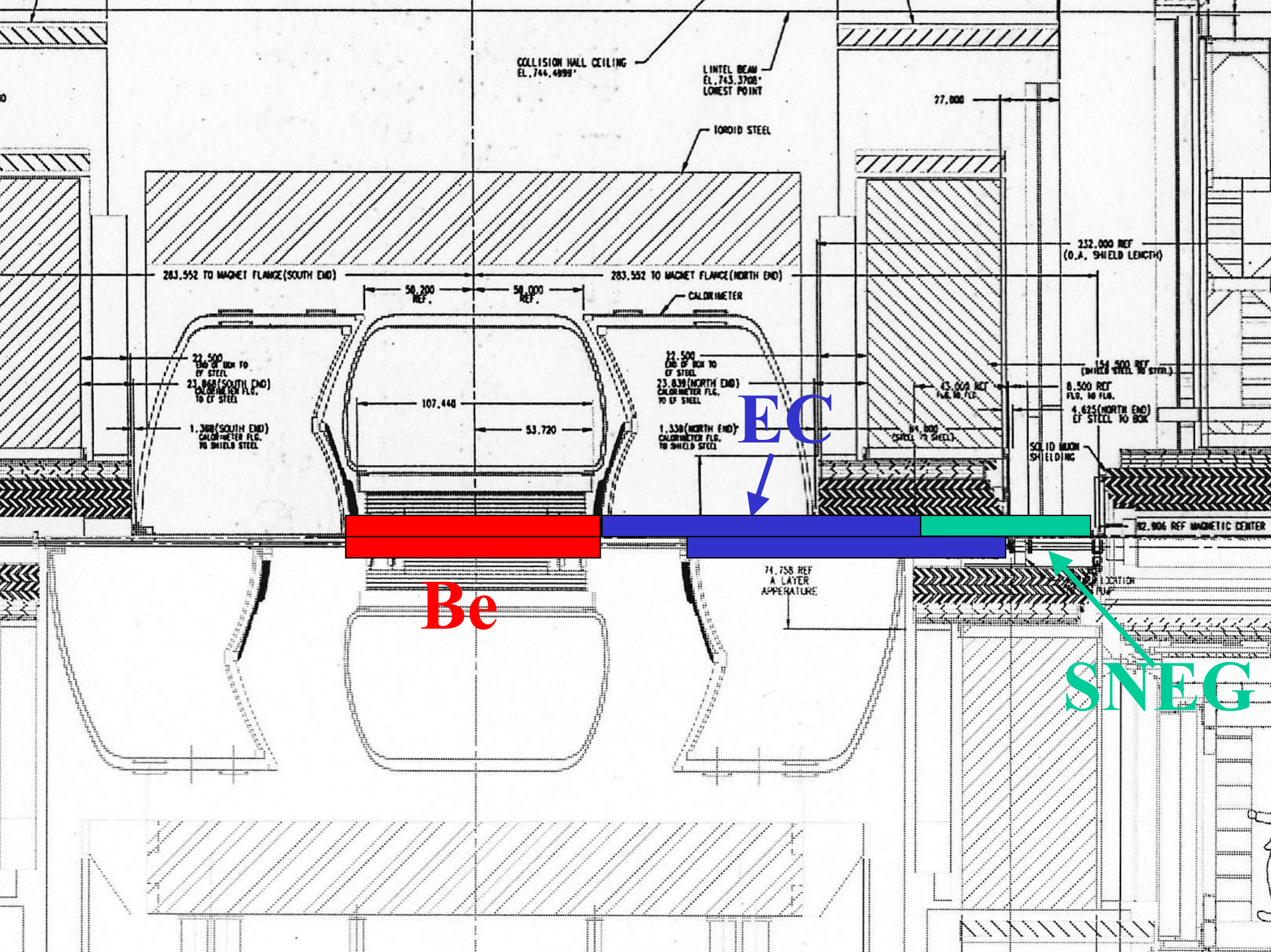
- Mechanical, electrical, cryo work
- Emergency power switch maintenance
- Online computer server upgrades
- Online controls software upgrades
- Cooling the solenoid

# Layer0 clearance measurement

- 6.8mm radial space.  
Survey the clearance.
  - Is the overlap at  $Z=0$  what we expect ?
  - Is there a restriction by previously not measured membranes ?

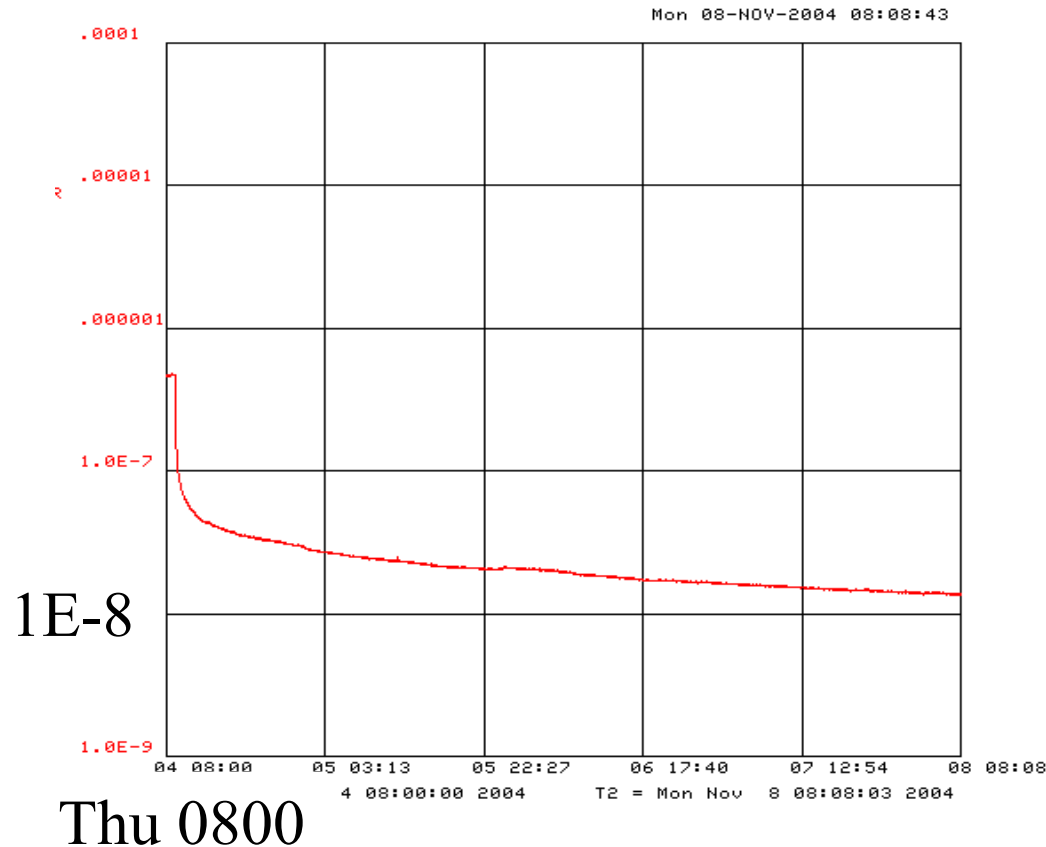


- The measurements have been successfully completed
- Clearance appears adequate for the installation of Layer 0



# Beam pipe re-connected

- Installed new SNEG pipe
- Re-made the joints SNEG to EC and EC to Be
- Restored dry atmosphere for SMT
- Currently pumping (Ion Pumps)



# Installed a Layer0 test module

- Connected to the ‘real’ PS, which have been previously installed during this shut-down
- Included into the Silicon readout
- Remapping of cables needed for Layer0 installation next year is partially done



# Silicon

- Silicon has been cooled to operation temperature
- The SMT group was able to bring up the system within hours  
(after several weeks without reading it out and touching (all) components of the readout, including removing all sequencers)
- Currently working on recovering HDIs, which failed during data taking

# Next

- Complete silicon work in the Calorimeter Gaps
- Close the Gaps and survey
- Close Toroid Irons and survey
- Activate SNEG
- Detector and Magnets checkout
- Survey detector position